

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW012822\
 Data File : VW024488.D
 Acq On : 28 Jan 2022 15:49
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005301

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/31/2022
 Supervised By : Mahesh Dadoda 01/31/2022

Quant Time: Jan 29 02:26:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR012622WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jan 29 02:05:31 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	140007	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	149730	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	88264	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	48165	3.927	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.600%
7) Chloroethane-d5	1.568	69	48784	4.559	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.200%
11) 1,1-Dichloroethene-d2	2.108	63	106958	4.562	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.200%
20) 2-Butanone-d5	3.902	46	77135	39.457	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	78.920%
24) Chloroform-d	4.346	84	121758	5.231	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.600%
26) 1,2-Dichloroethane-d4	5.031	65	54839	5.202	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.000%
32) Benzene-d6	5.047	84	215365	4.816	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.400%
36) 1,2-Dichloropropane-d6	6.069	67	68157	4.840	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.800%
41) Toluene-d8	7.313	98	196377	4.786	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.800%
43) trans-1,3-Dichloroprop...	7.622	79	23166	4.791	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.800%
46) 2-Hexanone-d5	8.088	63	89896	54.371	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.740%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	44867	5.353	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.000%
66) 1,2-Dichlorobenzene-d4	11.622	152	72301	4.777	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.600%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.130	85	82698	5.238	ug/L	100
3) Chloromethane	1.240	50	70433	4.909	ug/L	97
5) Vinyl chloride	1.311	62	72713	5.052	ug/L	99
6) Bromomethane	1.523	94	46383	5.147	ug/L	97
8) Chloroethane	1.584	64	44114	5.213	ug/L	97
9) Trichlorofluoromethane	1.754	101	107313	5.267	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.118	101	59830	5.391	ug/L	95
12) 1,1-Dichloroethene	2.118	96	56494	5.369	ug/L	95
13) Acetone	2.201	43	47975m	47.074	ug/L	
14) Carbon disulfide	2.294	76	160643	4.968	ug/L	99
15) Methyl Acetate	2.442	43	12877	4.678	ug/L	93
16) Methylene chloride	2.507	84	54086	5.022	ug/L	93
17) Methyl tert-butyl Ether	2.767	73	96838	5.114	ug/L	98
18) trans-1,2-Dichloroethene	2.761	96	54238	5.372	ug/L	96
19) 1,1-Dichloroethane	3.188	63	101524	5.394	ug/L	98
21) 2-Butanone	3.992	43	69398m	37.684	ug/L	
22) cis-1,2-Dichloroethene	3.908	96	52888	5.216	ug/L	97
23) Bromochloromethane	4.249	128	24142	5.306	ug/L	92
25) Chloroform	4.371	83	104276	4.878	ug/L	98

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27) 1,2-Dichloroethane	5.130	62	53927	5.293	ug/L	99
29) 1,1,1-Trichloroethane	4.603	97	91933	5.293	ug/L	99
30) Cyclohexane	4.677	56	79347	4.840	ug/L	93
31) Carbon tetrachloride	4.825	117	82559	5.283	ug/L	100
33) Benzene	5.098	78	211714	5.283	ug/L	100
34) Trichloroethene	5.912	95	66278	5.851	ug/L	93
35) Methylcyclohexane	6.127	83	81117	4.855	ug/L	95
37) 1,2-Dichloropropane	6.169	63	54995	5.586	ug/L #	96
38) Bromodichloromethane	6.506	83	67640	5.074	ug/L	97
39) cis-1,3-Dichloropropene	7.027	75	67450	5.085	ug/L	100
40) 4-Methyl-2-pentanone	7.227	43	228607	49.813	ug/L	97
42) Toluene	7.384	91	227773	5.366	ug/L	97
44) trans-1,3-Dichloropropene	7.651	75	57904	5.239	ug/L	97
45) 1,1,2-Trichloroethane	7.838	97	35144	5.279	ug/L	98
47) Tetrachloroethene	7.973	164	54868	6.149	ug/L	96
48) 2-Hexanone	8.140	43	172174	51.025	ug/L	97
49) Dibromochloromethane	8.243	129	43318	5.228	ug/L	98
50) 1,2-Dibromoethane	8.352	107	33044	5.295	ug/L	98
51) Chlorobenzene	8.879	112	140593	5.130	ug/L	97
52) Ethylbenzene	9.011	91	221060	4.953	ug/L	99
53) m,p-xylene	9.137	106	85064	5.079	ug/L	94
54) o-xylene	9.542	106	81544	5.166	ug/L	99
55) Styrene	9.561	104	137851	5.223	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.239	83	34087	5.229	ug/L	98
59) Bromoform	9.731	173	22547	5.080	ug/L #	98
60) Isopropylbenzene	9.931	105	218751	5.089	ug/L	99
61) 1,2,3-Trichloropropane	10.272	75	29049	5.311	ug/L	96
62) 1,3,5-Trimethylbenzene	10.538	105	168714	4.874	ug/L	97
63) 1,2,4-Trimethylbenzene	10.915	105	174990	4.927	ug/L	98
64) 1,3-Dichlorobenzene	11.178	146	113095	5.204	ug/L	97
65) 1,4-Dichlorobenzene	11.272	146	110744	5.006	ug/L	97
67) 1,2-Dichlorobenzene	11.641	146	99544	4.990	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.429	75	5067	4.763	ug/L	93
69) 1,3,5-Trichlorobenzene	12.644	180	87329	4.931	ug/L	99
70) 1,2,4-trichlorobenzene	13.262	180	62296	4.618	ug/L	98
71) Naphthalene	13.503	128	77914	4.580	ug/L	98
72) 1,2,3-Trichlorobenzene	13.744	180	56018	4.868	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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